



**ENVIRONMENTAL
RESOURCE ASSOCIATES®**
The Industry Standard™

April 14, 2006

Josie Longoria
Guadalupe Blanco River Auth
933 E. Court Street
Seguin, TX 78155

Enclosed is your final report for ERA's WatR™ Pollution Proficiency Testing (PT) Study, WP-133. Your final report includes an evaluation of all results submitted by your laboratory to ERA. Attached is a table listing which regulatory agencies have been sent a copy of your final results and the report type received by those agencies.

Data Evaluation Protocols: All analytes in the WP-133 PT study have been evaluated using the following tiered approach. If the analyte is listed in the National Environmental Laboratory Accreditation Conference (NELAC) PT Field of Testing list (June 2005), the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the NELAC FoPT tables. If the analyte is not included in the NELAC FoPT tables, the reported result has been evaluated using the procedures outlined in ERA's Standard Operating Procedure for the Generation of Performance Acceptance Limits (SOP 0260).

Corrective Action Help: As part of your accreditation(s), you may be required to identify the root cause of any "Not Acceptable" results, implement the necessary corrective actions, and then satisfy your PT requirements by participating in a Supplemental (QuiK™ Response) or future ERA PT study. ERA's technical staff is available to help your laboratory resolve any technical issues that may be impairing your PT performance and possibly affecting your routine data quality. Our laboratory and technical staff have well over three hundred years of collective experience in performing the full range of environmental analyses. As part of our technical support, ERA offers QC samples that can be helpful in helping you work through your technical issues.

Thank you for your participation in ERA's WatR™ Pollution Proficiency Testing Study, WP-133. If you have any questions, please contact myself, or Curtis Wood, Quality Assurance Director, at 1-800-372-0122.

Sincerely,

Shawn Kassner
Proficiency Testing Manager

attachments
smk



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Regulatory Agency	Agency Requested Report Type	Agency Lab ID	Contact
Texas	Complete Report	TX00010	Max Phillips



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In my role as ERA's Quality Assurance Director, I have independently reviewed all aspects of ERA's WatR™ Pollution Proficiency Testing Study, WP-133, for compliance with all USEPA, NELAC, NIST NVLAP, and all state technical and program requirements in effect during this study, as well as those of our ISO 9001 Registered Quality System.

All aspects of ERA's WP-133 Study, from standard manufacture to final report generation, were completed by ERA in accordance with the "National Standards for Water Proficiency Testing Studies Criteria Document", USEPA December 30, 1998. ERA has reviewed all of the data that is contained in this report and has made every possible effort to make it complete, accurate and compliant. However, if you find anything in your report that you feel is incomplete, inaccurate or have any quality-related issues, please call me directly at 1-800-372-0122. As required by ERA Standard Operating Procedure for Handling Product and Service Problems (SOP 0150, Rev. 7.0), we will initiate an internal investigation and take corrective action as appropriate.

On behalf of ERA, thank you again for your participation in WP-133.

Sincerely,

Curtis J. Wood
Quality Assurance Director

ERA Laboratory Code: G7783-01 EPA ID: TX00010

Report Issued: 04/14/06
Study Dates: 02/13/06 - 03/30/06**WP Study Definitions:**

The Reported Value is the value that the laboratory reported to ERA.

The ERA Assigned Values are established per the USEPA/NELAC FoPT Tables, June 2005. A parameter not added to the standard is given an Assigned Value of "0" per the guidelines contained in the USEPA's Criteria Document and NELAC standards.

The Acceptance Limits and Warning Limits are established per the criteria contained in the USEPA/NELAC FoPT Tables, June 2005, or ERA's SOP for the Generation of Performance Acceptance Limits™ as applicable.

The Performance Evaluation:

- Acceptable = Reported Value falls within the Acceptance Limits.
- Not Acceptable = Reported Value falls outside of the Acceptance Limits.
- Check for Error = Reported Value falls within the Acceptance Limits and outside of the Warning Limits.
- No Evaluation = Reported Value cannot be evaluated.

The Method Description is the method the laboratory reported to ERA.

Any Performance Evaluation left blank indicates results were evaluated as 'Not Reported'.

WP Study Discussion:

ERA's WatR™ Pollution Proficiency Testing Study, WP-133, has been reviewed by ERA Senior Management and certified compliant with the requirements of the USEPA's National Standards for Water Proficiency Testing Studies Criteria Document (December 1998), and the criteria contained in the NELAC FoPT Tables, June 2005. ERA is a NIST NVLAP accredited PT Provider (Lab Code 200386-0).

This report contains data that are not covered by the NVLAP accreditation.

ERA's WatR™ Pollution Study, WP-133, standards were examined for any anomalies. A full review of all homogeneity, stability and accuracy verification data was completed. All analytical verification data for all analytes in the WP-133 standards met the acceptance criteria contained in the USEPA's National Criteria Document for Water Proficiency Testing Studies, December 1998, and the criteria contained in the NELAC FoPT Tables, June 2005.

The data submitted by participating laboratories was also examined for study anomalies. There were no anomalies observed during the statistical review of the WP-133 data.

WatR™ Pollution Study, WP-133, reports shall not be reproduced except in their entirety and not without the permission of the participating laboratories. The report must not be used by the participating laboratories to claim product endorsement by NVLAP or any agency of the U. S. government.

If you have any questions regarding ERA's WatR™ Pollution Proficiency Testing Study, WP-133, please contact Shawn Kassner, Proficiency Testing Manager, or Curtis Wood, Quality Assurance Director, at 1-800-372-0122.

Study: **WP-133**

ERA Laboratory Code: **G7783-01**

Laboratory Name: **Guadalupe Blanco River
Auth**

Report Type: **Complete**

Report Method: **Method A**

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EPA ID: TX00010
ERA Laboratory Code: G7783-01
Report Issued: 04/14/06
Study Dates: 02/13/06 - 03/30/06

Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Warning Limits	Performance Evaluation	Method Description
pH								
0019	pH †	S.U.	8.33	8.32	8.12 - 8.52		Acceptable	SM 4500 H B.
Hardness								
0072	Total Suspended Solids (TSS) †	mg/L	51.0	51.3	39.9 - 58.6	43.0 - 55.5	Acceptable	SM 2540 D.
0023	Calcium †	mg/L	32.3	38.1	33.9 - 43.3	35.5 - 41.8	Not Acceptable	SM 3111 B.
0024	Magnesium †	mg/L	19.4	16.6	14.2 - 19.1	15.0 - 18.2	Not Acceptable	SM 3111 B.
1550	Calcium Hardness (CaCO ₃)	mg/L	80.8	95.1	84.6 - 108		Not Acceptable	SM 2340 Ca B.
0022	Total Hardness (CaCO ₃) †	mg/L	159	163	143 - 187	150 - 179	Acceptable	EPA 130.1
Demand								
0038	BOD †	mg/L	89.0	66.5	33.5 - 99.5	44.5 - 88.5	Check for Error	SM 5210
0102	CBOD †	mg/L	89.0	57.2	25.7 - 88.8	36.2 - 78.3	Not Acceptable	SM 5210
0036	COD †	mg/L	102	107	79.8 - 125	87.3 - 117	Acceptable	SM 5220 D.
0037	TOC †	mg/L	47.2	42.5	35.4 - 49.1	37.7 - 46.8	Check for Error	SM 5310 C.
Simple Nutrients								
0031	Ammonia as N †	mg/L	6.64	7.00	5.14 - 8.84	5.75 - 8.22	Acceptable	EPA 350.1
0032	Nitrate as N †	mg/L	12.3	12.1	9.43 - 14.6	10.3 - 13.7	Acceptable	EPA 300.0
1820	Nitrate + Nitrite as N	mg/L		12.1	9.86 - 14.1			
0033	Ortho-phosphate as P †	mg/L	1.06	1.03	0.792 - 1.28	0.874 - 1.20	Acceptable	EPA 300.0
Complex Nutrients								
0034	Total Kjeldahl Nitrogen †	mg/L	2.91	3.26	2.25 - 4.41	2.61 - 4.05	Acceptable	EPA 351.2
0035	Total phosphorus as P †	mg/L	1.43	1.31	1.02 - 1.65	1.13 - 1.54	Acceptable	EPA 365.2
Total Residual Chlorine								
0098	Total Residual Chlorine †	mg/L	1.38	1.48	1.06 - 1.83	1.19 - 1.70	Acceptable	HACH 8167

All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

† Indicates analytes included in ERA's NIST/NVLAP accreditation. Lab Code 200386-0

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EPA ID: TX00010
ERA Laboratory Code: G7783-01
Report Issued: 04/14/06
Study Dates: 02/13/06 - 03/30/06

Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Warning Limits	Performance Evaluation	Method Description
Trace Metals								
0001	Aluminum †	µg/L		358	267 - 451	298 - 421		
0016	Antimony †	µg/L		298	203 - 361	229 - 335		
0002	Arsenic †	µg/L	180	180	148 - 213	159 - 202	Acceptable	SM 3113 B.
1015	Barium	µg/L		619	537 - 698			
0003	Beryllium †	µg/L		244	207 - 276	218 - 264		
1025	Boron	µg/L		1180	969 - 1380			
0004	Cadmium †	µg/L	558	605	516 - 687	545 - 658	Acceptable	SM 3113 B.
0006	Chromium †	µg/L	493	488	425 - 552	446 - 531	Acceptable	SM 3113 B.
0005	Cobalt †	µg/L		497	436 - 557	457 - 537		
0007	Copper †	µg/L	362	358	322 - 395	335 - 383	Acceptable	SM 3111 B.
0008	Iron †	µg/L	1110	1170	1030 - 1320	1080 - 1270	Acceptable	SM 3111 B.
0012	Lead †	µg/L	830	866	758 - 970	794 - 934	Acceptable	SM 3113 B.
0010	Manganese †	µg/L	729	755	678 - 839	705 - 812	Acceptable	SM 3111 B.
0074	Molybdenum †	µg/L		310	261 - 356	277 - 340		
0011	Nickel †	µg/L	2700	1600	1440 - 1780	1510 - 1730	Not Acceptable	SM 3113 B.
0013	Selenium †	µg/L	1080	1050	835 - 1220	898 - 1150	Acceptable	SM 3113 B.
0017	Silver †	µg/L	150	142	121 - 163	128 - 156	Acceptable	SM 3113 B.
0075	Strontium †	µg/L		229	199 - 260	209 - 250		
0018	Thallium †	µg/L		327	252 - 401	277 - 376		
0014	Vanadium †	µg/L		456	399 - 510	418 - 492		
0015	Zinc †	µg/L	207	222	189 - 260	201 - 248	Acceptable	SM 3111 B.
Minerals								
0027	Alkalinity as CaCO ₃ †	mg/L	57.4	61.9	54.1 - 69.5	56.6 - 66.9	Acceptable	EPA 310.2
0028	Chloride †	mg/L	88.5	87.4	74.9 - 100	79.1 - 95.8	Acceptable	EPA 300.0
0020	Conductivity at 25°C †	µmhos/cm	460	449	403 - 495	418 - 480	Acceptable	SM 2510
0029	Fluoride †	mg/L	1.61	1.42	1.12 - 1.72	1.22 - 1.62	Acceptable	EPA 300.0
0026	Potassium †	mg/L	15.2	14.8	12.0 - 17.8	13.0 - 16.8	Acceptable	SM 3111 B.
0025	Sodium †	mg/L	90.5	83.3	70.7 - 95.5	74.8 - 91.3	Acceptable	SM 3111 B.
0030	Sulfate †	mg/L	15.0	14.5	10.9 - 17.8	12.0 - 16.6	Acceptable	EPA 300.0
0021	Total Dissolved Solids at 180°C †	mg/L	292	303	228 - 378	253 - 353	Acceptable	SM 2540 C.
1950	Total Solids at 105°C	mg/L	288	313	272 - 350		Acceptable	SM 2540 B.
Nitrite								
1840	Nitrite as N	mg/L	2.20	2.16	1.81 - 2.50		Acceptable	EPA 300.0

All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

† Indicates analytes included in ERA's NIST/NVLAP accreditation. Lab Code 200386-0